

**Use Information:** This paragraph is informational only and is not exclusively definitive of the end use. For high quality multicolor offset printing of maps, folded inserts, etc. Printed matter may include text, line illustrations, halftones up to 150-line screen.

**Stock:** 100% bleached chemical woodpulp. The use of melamine-formaldehyde or any material that releases formaldehyde into the atmosphere at concentrations of 0.1 ppm or greater shall not be permitted in the manufacture of this paper.

*Note: Not less than 30% postconsumer fiber. Any percent over 30 percentage points, is encouraged, provided that the requirements of this Standard are met.*

**Acidity:** pH value shall average not less than 4.8

**Basis weight:** 25 by 38 inches,  
500 sheets (pounds) ..... 40<sup>1</sup> 50 60 70  
A tolerance of  $\pm 5\%$  shall be allowed.

**Folding endurance:** Average each direction not less than (MIT double folds) ..... 30 30 35 40

**Tearing strength:** Average each direction not less than (grams) ..... 30 40 50 60

**Opacity:** Average not less than (percent) ..... 88 89 91 92  
No individual specimen shall average less than (percent) ..... 94 95 96 96

**Thickness:** Average (mils) ..... 3.0 3.5 4.1 4.9  
A tolerance of  $\pm 0.0005$  inch shall be allowed. Paper shall be uniform and shall not vary more than 0.0004 inch from one edge to the other.

**Water resistance:** Average each side not less than (seconds) ..... 20 25 30 35

**Smoothness:** Average, each side (Sheffield units) ..... 140 to 80

**Writing quality:** Characters written with ball point and felt shall be clear cut and free from excessive feathering.

**Erasing quality:** Paper shall retain good ruling, writing, and typing quality, texture, and surface appearance, without ink spreading after repeated erasures. After erasures and burnishing, texture shall permit redrawing of sharp lines in ink.

**Blocking:** Sheets shall not stick together after being wet with water than allowed to dry in contact with other sheets of the same paper.

**General appearance:** Paper shall conform to the standard sample(s) established by the Government.

**Brightness:** Shall target not less than 82% or as specified.

**Color:** The paper in the order (or publication) shall be uniform and the color variation shall not exceed  $DE(CIELAB) = 1.0$ .

**Formation:** Shall be uniform

**Cleanliness:** The dirt count for each side of the paper shall not exceed 100 specks per square meter. No sample sheet (600 to 650 cm<sup>2</sup> in size) shall contain more than one defect with equivalent area of 0.25 mm<sup>2</sup> or greater.

**Testing:** Shall be conducted in accordance with methods in part 2, *Government Paper Specification Standards*. The precision acceptance criteria Part 4 shall apply.

<sup>1</sup> This grade is typically not available in less than mill run quantities.